## Beaufort Sea Play 6: Upper Ellesmerian

## **Geological Assessment:**

<u>Grasp UAI</u>: AAAAABAI <u>Play Area</u>: 1852 square miles <u>Play Water Depth Range</u>: 5 – 130 feet <u>Play Depth Range</u>: 3.700 – 17,000 feet Play Exploration Chance: 0.25

Play 6, Upper Ellesmerian, Beaufort Sea OCS Planning Area, 2006 Assessment, Undiscovered Technically-Recoverable Oil & Gas

Assessme	nt Results as o	Assessment Results as of November 2005												
Resource	Resources *													
Commodity (Units)	F95	Mean	F05											
BOE (Mmboe)	366	1,660	3,891											
Total Gas (Tcfg)	0.514	2.282	5.395											
Total Liquids (Mmbo)	275	1,254	2,930											
Free Gas** (Tcfg)	0.240	0.955	1.996											
Solution Gas (Tcfg)	0.274	1.327	3.399											
Oil (Mmbo)	270	1,236	2,893											
Condensate (Mmbc)	4	18	37											

<sup>\*</sup> Risked, Technically-Recoverable

F05 = 5% chance that resources will equal or exceed the given quantity

BOE = total hydrocarbon energy, expressed in barrels-of-oil-equivalent, where 1 barrel of oil = 5,620 cubic feet of natural gas

Mmb = millions of barrels Tcf = trillions of cubic feet

Table 1

Play 6, The Upper Ellesmerian Play, (1,660 Mmbo mean BOE) is the third ranked play in the Beaufort Sea Assessment Province. It contains over 12% of the hydrocarbon endowment in the province. The overall assessment results for play 6 are shown in table 1. Seventy five percent of the resources in this play are expected to be

liquid hydrocarbons. Table 5 reports the detailed assessment results by commodity for play 6.

Table 3 summarizes the volumetric input data developed for the *GRASP* computer model of Beaufort Sea play 6. Table 4 reports the risk model used for play 6. The location of play 6 is shown in figure 1.

The play includes the sandstone reservoirs of the Triassic Sag River Formation and Triassic to Permian Sadlerochit Group. The depositional environment is marine shelf for the Sag River Formation while the Sadlerochit Group has shallow marine, fluvial, floodplain, alluvial fan delta, and point bar sediments. Carbonates within the Shublik Formation are sometimes porous. Potential hydrocarbon traps are formed by anticlines, faulted anticlines, unconformity truncations, faults, or stratigraphic pinchouts. This play was the primary objective of 13 OCS wells, including the Mukluk well. Two OCS wells discovered and tested two oil fields, Sandpiper and Northstar (Seal Island). Northstar, with recoverable reserves of 196 Mbbo is now producing from the Upper Ellesmerian play reservoirs. There are three onshore fields producing from the Upper Ellesmerian, including the main pool of the Prudhoe Bay field with 14 billion barrels recoverable oil (State of Alaska Division of Oil and Gas 2004 Annual Report), the Ivishak pool of the Endicott field with 17.7 million barrels in place oil (AOGCC, 1991b), and the North Prudhoe pool of Prudhoe Bay field with 12 million barrels in place oil (AOGCC, 1994, p. 2).

The primary risk for the Upper Ellesmerian

<sup>\*\*</sup> Free Gas Includes Gas Cap and Non-Associated Gas F95 = 95% chance that resources will equal or exceed the given quantity

play is the presence of seal and the presence of reservoir facies at the prospect level.

Play 6, Upper Ellesmerian, Beaufort Sea OCS
Planning Area, 2006 Assessment, Conditional BOE
Sizes of Ten Largest Pools

Assessment Results as of November 2005											
Pool Rank	BOE Resources *										
1 ooi Rank	F95	Mean	F05								
1	129	834	2612								
2	61	347	888								
3	35	194	529								
4	21	121	320								
5	13	80	212								
6	8	55	147								
7	5	39	106								
8	3	28	78								
9	2.3	21	59								
10	1.8	16	45								

<sup>\*</sup> Conditional, Technically-Recoverable, Millions of Barrels Energy-Equivalent (Mmboe), from "PSRK.out" file

F95 = 95% chance that resources will equal or exceed the given quantity

F05 = 5% chance that resources will equal or exceed the given quantity

BOE = total hydrocarbon energy, expressed in barrels-of-oilequivalent, where 1 barrel of oil = 5,620 cubic feet of natural gas

Table 2

A maximum of 30 hypothetical pools is forecast by the aggregation of the risk model and the prospect numbers model for play 6. These pools range in mean conditional (unrisked) recoverable volumes from 1.5 Mmboe (pool rank 30) to 834 Mmboe (pool rank 1).

Pool rank 1 ranges in possible conditional recoverable volumes from 129 Mmboe (F95) to 2612 Mmboe (F05). Table 2 shows the conditional sizes of the 10 largest pools in play 6.

Table 6 reports statistics for the simulation pools developed in the *GRASP* computer model for play 6. In the computer simulation for the play, a total of 124,327 "simulation pools" were sampled for size. These

simulation pools can be grouped according to the USGS size class system in which sizes double with each successive class. Pool size class 10 contains the largest share (18,385, or 22%) of simulation pools (conditional, technically recoverable BOE resources) for play 6. Pool size class 10 ranges from 16 to 32 Mmboe. The largest pool among the 124,327 simulation pools falls within pool size class 18, which ranges in size from 4096 to 8192 Mmboe.

Basin: Beaufort			Assessor:		Johnson/S	Scherr			Date:	10/11/2005			
Play Number: 06 Play UAI Number: AAAAABAI			Play Name	:	Upper Elle					10/11/2005			
<u>Play Area</u> : mi <sup>2</sup> ( million acres) <u>Reservoir Thermal Maturity</u> : % Ro	i.3)			Expected	h Range: feet <u>Oil Gravity</u> : <sup>O</sup> API r Depth Range: fe		3700 35 5	7900 30	17000 130				
POOLS Module (Volumes o	DLS Module (Volumes of Pools, Acre-Feet)												
Fractile	F100	F95	F90	F75	F50	Mean/Std. Dev.	F25	F15	F10	F05	F02	F01	F00
Prospect Area (acres)-Model Input	50	163	244	603	1876		6011	11359	16840	29223			95263
Prospect Area (acres)-Model Output													
Fill Fraction (Fraction of Area Filled)	0.1			0.289	0.499		0.756			0.949		0.99	
Productive Area of Pool (acres)	30	71	113	294	910	3084.8/5364.3	3111	5560	8342	14881			30000
Pay Thickness (feet)	38	96.0	112.9	148.0	200.0	221.4/105.929	270.2	317.6	354.3	416.6	500.0	564.7	1051.0
MPRO Module (Numbers o	f Pools	.)											
Play Level Chance	1 1	,	Prospect L	evel Chan	ce	0.25		ſ	Exploratio	n Chance		0.25	
								L	Exploratio	ii Olialice			
Risk Model	Play (	Chance			Petr	oleum System Fac	tors			Prospect	Chance		
						Adequate Seal				0.5	0.5		
ļ					Pı	resence of formation	on			0.5	5		
							F25 F15 F10						
Fractile	F99	F95	F90	F75	F50	Mean/Std. Dev.	F25	F15	F10	F05	F02	F01	F00
Fractile Numbers of Prospects in Play	<b>F99</b> 42.00	<b>F95</b> 44.00	<b>F90</b> 45.00	<b>F75</b> 47.00	<b>F50</b> 49.00	Mean/Std. Dev. 49.74/3.41	<b>F25</b> 51.50	<b>F15</b> 52.50	<b>F10</b> 53.50	<b>F05</b> 55.00	<b>F02</b> 56.50	<b>F01</b> 57.50	<b>F00</b> 63.00
Numbers of Prospects in Play													
Numbers of Pools in Play	42.00	44.00	45.00 8	47.00	49.00 12	49.74/3.41 12.44/3.17	51.50	52.50 16	53.50	55.00 18	56.50 19	57.50	63.00
Numbers of Prospects in Play	42.00 6	44.00	45.00 8	47.00 10	49.00 12	49.74/3.41	51.50	52.50 16	53.50 17	55.00 18	56.50	57.50	63.00
Numbers of Prospects in Play Numbers of Pools in Play Minimum Number of Pools	42.00 6	44.00 7	45.00 8 <b>Mean</b>	47.00 10	49.00 12	49.74/3.41 12.44/3.17	51.50	52.50 16	53.50 17	55.00 18	56.50 19	57.50	63.00
Numbers of Prospects in Play Numbers of Pools in Play	42.00 6	44.00 7	45.00 8 <b>Mean</b>	47.00 10	49.00 12	49.74/3.41 12.44/3.17	51.50	52.50 16	53.50 17	55.00 18	56.50 19	57.50	63.00
Numbers of Prospects in Play Numbers of Pools in Play Minimum Number of Pools  POOLS/PSRK/PSUM Modu	42.00 6 0	44.00 7	45.00 8 Mean	47.00 10 Number of	49.00 12 Pools	49.74/3.41 12.44/3.17 12.44	51.50 15	52.50 16 <b>Maxim</b> u	53.50 17 Im Number	55.00 18	56.50 19 30	57.50 20	63.00 30
Numbers of Prospects in Play Numbers of Pools in Play  Minimum Number of Pools  POOLS/PSRK/PSUM Modu Fractile	42.00 6 0	44.00 7 ay Resc F95	45.00 8 Mean	47.00 10 Number of	49.00 12 Pools	49.74/3.41 12.44/3.17 12.44 Mean/Std. Dev.	51.50 15	52.50 16 Maximu	53.50 17 Im Number	55.00 18 r of Pools	56.50 19 30	57.50 20 F01	63.00 30
Numbers of Prospects in Play Numbers of Pools in Play  Minimum Number of Pools  POOLS/PSRK/PSUM Modu Fractile Oil Recovery Factor (bbl/acre-foot)	42.00 6 0 lles (Pla F100 27.5	44.00 7 <b>ay Resc</b> <b>F95</b> 73.96	45.00 8 Mean DURCES) F90 87.95	47.00 10 Number of F75 117.46	49.00 12 Pools F50 162	49.74/3.41 12.44/3.17 12.44 Mean/Std. Dev. 181.978/93.794	51.50 15 F25 223.43	52.50 16 <b>Maximu</b> <b>F15</b> 265.5	53.50 17 Im Number F10 298.4	55.00 18 r of Pools F05 354.82	56.50 19 30 <b>F02</b> 431.18	57.50 20  F01 491	63.00 30 <b>F00</b> 953
Numbers of Prospects in Play Numbers of Pools in Play  Minimum Number of Pools  POOLS/PSRK/PSUM Modu  Fractile Oil Recovery Factor (bbl/acre-foot)  Gas Recovery Factor (Mcfg/acre-foot)	42.00 6 0 les (Pla F100 27.5 81.2	44.00 7 <b>ay Resc</b> <b>F95</b> 73.96 224.931	45.00 8 Mean DUTCES) F90 87.95 268.688	47.00 10 Number of F75 117.46 361.613	49.00 12 Pools F50 162 503	49.74/3.41 12.44/3.17 12.44 Mean/Std. Dev. 181.978/93.794 568.642/302.256 1075.250/1034.163	51.50 15 <b>F25</b> 223.43 699.669	52.50 16 <b>Maximu</b> <b>F15</b> 265.5 835.225	53.50 17 Im Number F10 298.4 941.649	55.00 18 r of Pools F05 354.82 1124.834	56.50 19 30 <b>F02</b> 431.18 1373.964 4700	57.50 20 F01 491 1570.004	63.00 30 <b>F00</b> 953 3110 6000
Numbers of Prospects in Play Numbers of Pools in Play  Minimum Number of Pools  POOLS/PSRK/PSUM Modu Fractile Oil Recovery Factor (bbl/acre-foot) Gas Recovery Factor (Mcfg/acre-foot) Gas Oil Ratio (Sol'n Gas)(cf/bbl) Condensate Yield ((bbl/Mmcfg)	42.00 6 0 1les (Pla F100 27.5 81.2 90 0.1470	44.00 7 <b>ay Resc</b> <b>F95</b> 73.96 224.931 170 1.5475	45.00 8 Mean DUICES) F90 87.95 268.688 230	47.00 10 Number of F75 117.46 361.613 390 4.6526	49.00 12 Pools F50 162 503 720 10.0000	49.74/3.41 12.44/3.17 12.44 Mean/Std. Dev. 181.978/93.794 568.642/302.256 1075.250/1034.163	51.50 15 F25 223.43 699.669 1350 21.4933	52.50 16  Maximu  F15 265.5 835.225 1900 32.4058	53.50 17 Im Number F10 298.4 941.649 2300 42.7943	55.00 18 r of Pools F05 354.82 1124.834 3200	56.50 19 30 <b>F02</b> 431.18 1373.964 4700 102.7605	57.50 20 F01 491 1570.004 140.0002	63.00 30 <b>F00</b> 953 3110 6000
Numbers of Prospects in Play  Numbers of Pools in Play  Minimum Number of Pools  POOLS/PSRK/PSUM Modu  Fractile  Oil Recovery Factor (bbl/acre-foot)  Gas Recovery Factor (Mcfg/acre-foot)  Gas Oil Ratio (Sol'n Gas)(cf/bbl)  Condensate Yield ((bbl/Mmcfg)  Pool Size Distribution Statistics from POOL	42.00 6 0 Iles (Pla F100 27.5 81.2 90 0.1470 -S (1,000 B	44.00 7 <b>ay Resc</b> <b>F95</b> 73.96 224.931 170 1.5475	45.00 8  Mean  PUICES)  F90  87.95  268.688  230  2.3368 μ (mu)= 10	47.00 10 Number of F75 117.46 361.613 390 4.6526	49.00 12  Pools  F50 162 503 720 10.0000 σ² (sigma	49.74/3.41 12.44/3.17 12.44 Mean/Std. Dev. 181.978/93.794 568.642/302.256 1075.250/ 1034.16; 18.332/23.706 squared)= 2.97583	51.50 15 F25 223.43 699.669 1350 21.4933 287	52.50 16 Maximu F15 265.5 835.225 1900 32.4058	53.50 17 Im Number F10 298.4 941.649 2300 42.7943	55.00 18 r of Pools F05 354.82 1124.834 3200 64.6212 umber Gene	56.50 19 30 <b>F02</b> 431.18 1373.964 4700 102.7605	57.50 20 F01 491 1570.004 140.0002	63.00 30 <b>F00</b> 953 3110 6000
Numbers of Prospects in Play  Numbers of Pools in Play  Minimum Number of Pools  POOLS/PSRK/PSUM Modu  Fractile  Oil Recovery Factor (bbl/acre-foot)  Gas Recovery Factor (Mcfg/acre-foot)  Gas Oil Ratio (Sol'n Gas)(cf/bbl)	42.00 6 0 1les (Pla F100 27.5 81.2 90 0.1470	44.00 7 <b>ay Resc</b> <b>F95</b> 73.96 224.931 170 1.5475	45.00 8  Mean  Purces) F90 87.95 268.688 230 2.3368 μ (mu)= 10	47.00 10 Number of F75 117.46 361.613 390 4.6526 .4319482	49.00 12  Pools  F50 162 503 720 10.0000 σ² (sigma	49.74/3.41 12.44/3.17 12.44 12.44 Mean/Std. Dev. 181.978/93.794 568.642/302.256 1075.250/ 1034.162 18.332/23.706	51.50 15 F25 223.43 699.669 1350 21.4933 287	52.50 16  Maximu  F15 265.5 835.225 1900 32.4058	53.50 17 Im Number F10 298.4 941.649 2300 42.7943	55.00 18 r of Pools F05 354.82 1124.834 3200 64.6212	56.50 19 30 <b>F02</b> 431.18 1373.964 4700 102.7605	57.50 20 F01 491 1570.004 140.0002	63.00 30 F00 953 3110

**Table 3**. Input data for Beaufort Sea play 6, 2006 assessment.

## Risk Analysis Form - 2006 National Assessment Assessment Province: Beaufort Play Number, Name: 6, Upper Ellesmerian Assessor(s): Johnson/Scherr Play UAI: AAAAABAI Date: 20-Oct-05 For each component, a quantitative probability of success (i.e., between zero and one, where zero indicates no confidence and one indicates absolute certainty) based on consideration of the qualitative assessment of ALL elements within the component was assigned. This is the assessment of the probability that the minimum geologic parameter assumptions have been met or exceeded. Averge Conditional **Play Chance** Factors Prospect Chance<sup>1</sup> 1. Hydrocarbon Fill component (1a \* 1b \* 1c) 1 1.0000 1.0000 a. Presence of a Quality, Effective, Mature Source Rock Probability of efficient source rock in terms of the existence of sufficient volume of mature source 1.00 1.00 1a rock of adequate quality located in the drainage area of the reservoirs. b. Effective Expulsion and Migration Probability of effective expulsion and migration of hydrocarbons from the source rock to the 1b 1.00 1.00 c. Preservation Probability of effective retention of hydrocarbons in the prospects after accumulation. 1c 1.00 1.00 2. Reservoir component (2a \* 2b) 2 1.0000 0.5000 a. Presence of reservoir facies Probability of presence of reservoir facies with a minimum net thickness and net/gross ratio (as 2a 1.00 0.50 specified in the resource assessment). b. Reservoir quality Probability of effectiveness of the reservoir, with respect to minimum effective porosity, and 2b 1.00 1.00 permeability (as specified in the resource assessment) 3. Trap component (3a \* 3b) 3 1.0000 0.5000 a. Presence of trap Probability of presence of the trap with a minimum rock volume (as specified in the resource За 1.00 1.00 assessment). b. Effective seal mechanism Probability of effective seal mechanism for the trap. 3b 1.00 0.50 Overall Play Chance (Marginal Probability of hydrocarbons, MPhc) (1 \* 2 \* 3) Product of All Subjective Play Chance Factors 1.0000 Average Conditional Prospect Chance<sup>1</sup> 0.2500 (1 \* 2 \* 3) Product of All Subjective Conditional Prospect Chance Factors Assumes that the Play exists (where all play chance factors = 1.0) Must be consistent with play chance and prospect distribution -- See discussion on Page 3 of Guide **Exploration Chance** 0.2500 (Product of Overall Play Chance and Average Conditional Prospect Chance) Comments: See guidance document for explanation of the Risk Analysis Form changed risking from 2000 assessment to reflect 25% success rate in OCS wells penetrating the Upper Ellesmerian Prospect risk for components 2a and 3b were changed from .667 to .5.

Table 4. Risk model for Beaufort Sea play 6, 2006 assessment.

## **GRASP - Geologic and Economic Resource Assessment Model - PSUM Module Results**

Minerals Management Service - Alaska OCS Region GRASP Model Version: 8.29.2005) Computes the Geologic Resource Potential of the Play

Play UAI: AAAAABAI Play No. 6

World Level - World Level Resources
Country Level - UNITED STATES OF AMERICA

Region Level - MMS - ALASKA REGION
Basin Level - BEAUFORT SHELF

6 Upper

Ellesmeria Play

Play Level - Play

Geologist Peter Johnson
Remarks Play 6 2005 Assessment

Run Date & Time: Date 19-Sep-05 Time 13:48:25

**Summary of Play Potential** 

Product	MEAN	Standard Deviation			
BOE (Mboe)	1,660,100	1,156,000			
Oil (Mbo)	1,236,400	869,670			
Condensate (Mbc)	17,621	20,221			
Free (Gas Cap & Nonassociated) Gas (Mmcfg)	954,590	676,280			
Solution Gas (Mmcfg)	1,327,400	1,302,000			

10000 (Number of Trials in Sample)

0.9998 (MPhc [Probability] of First Occurrence of Non-Zero Resource)

Windowing Feature: used

**Empirical Probability Distributions of the Products** 

Greater Than Percentage	BOE (Mboe)	Oil (Mbo)	Condensate (Mbc)	Free (Gas Cap & Nonassociated) Gas (Mmcfg)	Solution Gas (Mmcfg)
100	0	0	0	0	0
99.99	0	0	0	0	0
99	193,040	144,300	2,214	127,840	133,630
95	366,060	270,200	4,375	239,710	274,410
90	514,690	382,850	5,754	330,290	378,300
85	629,880	469,630	7,011	406,470	454,740
80	733,820	545,540	8,108	474,970	537,580
75	840,980	630,220	9,453	532,610	598,770
70	942,410	701,750	10,461	630,900	662,790
65	1,051,800	786,140	11,465	625,700	803,100
60	1,158,900	869,440	12,070	703,450	855,300
55	1,270,200	935,290	13,869	824,860	979,610
50	1,391,000	1,051,000	17,158	830,100	984,740
45	1,510,200	1,128,100	18,159	888,410	1,157,000
40	1,644,200	1,229,700	16,660	954,160	1,281,700
35	1,789,800	1,327,400	19,401	1,079,600	1,410,000
30	1,957,400	1,460,600	22,043	1,113,200	1,555,200
25	2,146,400	1,587,400	22,712	1,213,900	1,800,100
20	2,399,700	1,778,700	24,465	1,351,000	2,001,300
15	2,715,700	2,038,600	26,801	1,551,500	2,103,100
10	3,183,000	2,366,100	36,140	1,697,600	2,690,000
8	3,416,700	2,575,400	35,937	1,754,300	2,771,600
6	3,691,400	2,729,400	42,788	2,032,100	3,134,000
5	3,890,500	2,893,100	37,346	1,995,800	3,399,400
4	4,156,400	3,082,300	39,235	2,207,800	3,608,200
2	4,937,400	3,656,900	47,923	2,626,500	4,300,700
1	5,689,500	4,128,200	43,590	2,557,200	5,972,500
0.1	8,041,700	5,821,000	42,770	2,658,100	9,581,800
0.01	9,864,000	7,595,800	81,758	5,213,700	7,073,700
0.001	10,386,000	7,181,100	51,230	2,636,600	15,086,000

**Table 5**. Assessment results by commodity for Beaufort Sea play 6, 2006 assessment.

	Basin: BEAUFORT SHELF Play 06 - Upper Ellesmerian Play  Model Simulation "Pools" Reported by "Fields									ieldsiz	e.out" G	RASP M	odule										
	y: AAAAAB		Play																				
<b>67 ii 110</b>																							
	Classifica	tion and Size		Poo	I Count Statis	stics		Pool	Types Co	unt	Mixed Pool Range   Oil Pool Range   Gas Pool Range   Total Pool Range						ol Range	1	Pool Resource Statistics (MMBOE)				
Class	Min (MMBOE)	Max (MMBOE)	Pool Count	Percentage	Trial Average	Trials w/Pool Avg		Mixed Pool	Oil Pool	Gas Pool	Min	Max	Min	Max	Min	Max	Min	Max		Min	Max	Total Resource	Average Resource
1	0.0312	0.0625	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	1	0.000000	0.000000	0.000000	0.000000
2	0.0625	0.125	2	0.001609	0.0002	0.0002		2		0	1	1	0	0	0	0	1	1		0.117180	0.117180	0.234359	117.179722
3	0.125	0.25	23	0.0185	0.0023	0.0023		23	0	0	1	1	0	0	0	0	1	1		0.139800	0.247777	4.793275	208.403245
4	0.25	0.5	170	0.136736	0.017	0.017002		170	0	0	1	2	0	0	0	0	1	2		0.265338	0.498657	69.288598	407.579988
5	0.5	1	1318	1.060108	0.1318	0.131813		1318	0	0	1	3	0	0	0	0	1	3		0.501997	0.999545	1027.302000	779.440165
6	1	2	4353	3.501251	0.4353	0.435344		4353	0	0	1	4	0	0	0	0	1	4		1.000243	1.999978	6633.690000	1.523935
7	2	4	8508	6.843244	0.8508	0.850885		8508	0	0	1	6	0	0	0	0	1	6		2.001071	3.999549	25234.475000	2.965970
8	4	8	12770	10.2713	1.277	1.277128		12770	0	0	1	8	0	0	0	0	1	8		4.000228	7.999538	75116.147000	5.882236
9	8	16	15997	12.866876	1.5997	1.59986		15997	0	0	1	9	0	0	0	0	1	9		8.000792	15.998764	185849.876000	11.617796
10	16	32	18385	14.787617	1.8385	1.838684		18385	0	0	1	9	0	0	0	0	1	9		16.004037	31.998238	424803.020000	23.105957
11	32	64	18086	14.547122	1.8086	1.808781		18086	0	0	1	9	0	0	0	0	1	9		32.000125	63.996312	830102.384000	45.897511
12	64	128	15697	12.625576		1.569857		15697	0	0	1	9	0	0	0	0	1	9		64.000520	127.999641	1428305.000000	90.992226
13	128	256	12328	9.915787	1.2328	1.232923		12328	0	0	1	7	0	0	0	0	1	7		128.009649	255.980735	2237334.000000	181.483948
14	256	512	8736	7.026631	0.8736	0.873687		8736	0	0	1	6	0	0	0	0	1	6		256.023165	511.980516	3154980.000000	361.146973
15	512	1024	5243	4.217105	0.5243	0.524352		5243	0	0	1	6	0	0	0	0	1	6		512.095536	1023.958000	3725139.000000	710.497559
16	1024	2048	2196	1.76631	0.2196	0.219622		2196	0	0	1	4	0	0	0	0	1	4		1024.202000	2047.101000	3034815.000000	1.381974
17	2048	4096	468	0.376427	0.0468	0.046805		468	0	0	1	2	0	0	0	0	1	2		2056.930000	4084.658000	1236071.000000	2.641177
18	4096	8192	47	0.037804	0.0047	0.0047		47	0	0	1	1	0	0	0	0	1	1		4097.136000	7555.319000	235637.784000	5.013570
19	8192	16384	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0		0.000000	0.000000	0.000000	0.000000
20	16384	32768	0	0	0	0		0	v	0	0	0	0	0	0	0	0	0		0.000000	0.000000	0.000000	0.000000
21	32768	65536	0	0	0	0		0	,	0	0	0	0	0	0	0	0	0	1	0.000000	0.000000	0.000000	0.000000
22	65536	131072	0	0	0	0		0	•	0	0	0	0	0	0	0	0	0	1	0.000000	0.000000	0.000000	0.000000
23	131072	262144	0	0	0	0		0	v	0	0	0	0	0	0	0	0	0	1	0.000000	0.000000	0.000000	0.000000
24	262144	524288	0	0	0	0		0	•	0	0	0	0	0	0	0	0	0	1	0.000000	0.000000	0.000000	0.000000
25	524288	1048576	0	0	0	0		0	•	0	0	0	0	0	0	0	0	0		0.000000	0.000000	0.000000	0.000000
Not Clas			0	0	0	0	Below Class	0		0	ļ								Below Class	0.000000	0.000000	0.000000	0.000000
1	Į	Totals	124327	100.000008	12.4327	12.433943	Above Class	0	0	0	j								Above Class	0.000000	0.000000	0.000000	0.000000
Number of Pools not Classified: 0 Number of Pools below Class 1: 0  Number of Pools below Class 1: 0												ınt size cl	ass that		Min and Max refe that occur within		esources of the rele n the simulation.	vant size class					
Numbe	r of Trials v	vith Pools:	9999																				

**Table 6**. Statistics for simulation pools created in computer sampling run for Beaufort Sea play 6, 2006 assessment.

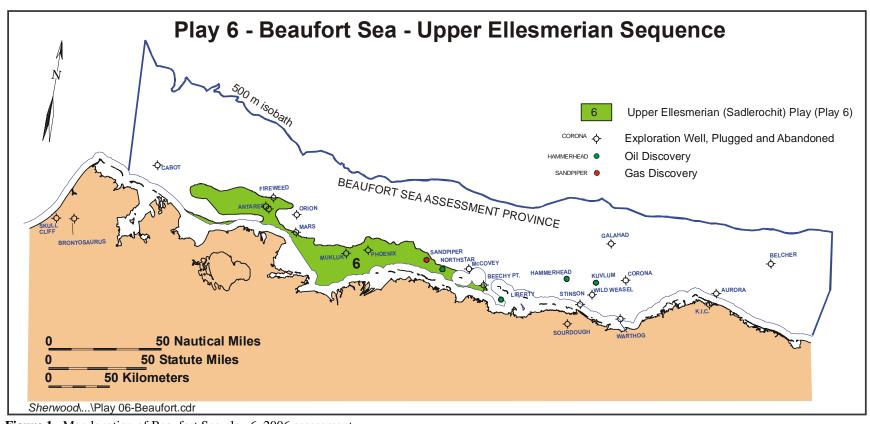


Figure 1. Map location of Beaufort Sea play 6, 2006 assessment.